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## Connecting via Winsock to STN

Welcome to STN International! Enter x:x

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TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* \* \* \* \* \* \* Welcome to STN International \* \* \* \* \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 FEB 25 CA/CAPLUS - Russian Agency for Patents and Trademarks (ROSPATENT) added to list of core patent offices covered  
NEWS 4 FEB 28 PATDPAFULL - New display fields provide for legal status data from INPADOC  
NEWS 5 FEB 28 BABS - Current-awareness alerts (SDIs) available  
NEWS 6 FEB 28 MEDLINE/LMEDLINE reloaded  
NEWS 7 MAR 02 GBFULL: New full-text patent database on STN  
NEWS 8 MAR 03 REGISTRY/ZREGISTRY - Sequence annotations enhanced  
NEWS 9 MAR 03 MEDLINE file segment of TOXCENTER reloaded  
NEWS 10 MAR 22 KOREPAT now updated monthly; patent information enhanced  
NEWS 11 MAR 22 Original IDE display format returns to REGISTRY/ZREGISTRY  
NEWS 12 MAR 22 PATDPASPC - New patent database available  
NEWS 13 MAR 22 REGISTRY/ZREGISTRY enhanced with experimental property tags  
NEWS 14 APR 04 EPFULL enhanced with additional patent information and new fields  
NEWS 15 APR 04 EMBASE - Database reloaded and enhanced

NEWS EXPRESS JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005

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NEWS INTER General Internet Information  
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NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 17:38:04 ON 12 APR 2005

=> FIL BIOSIS, EMBASE, MEDLINE, LIFESCI, CAPLUS	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	0.63	0.63

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FILE 'LIFESCI' ENTERED AT 17:39:58 ON 12 APR 2005  
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FILE 'CAPLUS' ENTERED AT 17:39:58 ON 12 APR 2005  
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=> s (DNA) and (extract? or purification) and (hair or blood) and (FTA or filter (1a) paper)  
 L1 299 (DNA) AND (EXTRACT? OR PURIFICATION) AND (HAIR OR BLOOD) AND  
 (FTA OR FILTER (1A) PAPER)

=> s 11 and sodium (2a) gluconate  
 L2 1 L1 AND SODIUM (2A) GLUCONATE

=> d 12

L2 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2004:333880 CAPLUS

DN 140:335247

TI Extraction of DNA from biological samples using a  
 highly basic lysis solution containing a chelating agent, a stabilizing  
 agent, and a buffer

IN Carlson, David; Lazar, James G.; Connolly, Mike

PA Marligen Biosciences, Inc., USA

SO PCT Int. Appl., 20 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004033707	A2	20040422	WO 2003-US31757	20031007
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2004126796	A1	20040701	US 2003-679378	20031007
PRAI	US 2002-416228P	P	20021007		

=> s DNA and (alkaline) and (lysis) and (gluconate and silicate)  
 L3 0 DNA AND (ALKALINE) AND (LYSIS) AND (GLUCONATE AND SILICATE)

=> s DNA and (alkaline) and (lysis) and (sodium (1a) silicate)  
 L4 0 DNA AND (ALKALINE) AND (LYSIS) AND (SODIUM (1A) SILICATE)

=> s (DNA) and (lysis) and (sodium (1a) silicate)

L5 1 (DNA) AND (LYSIS) AND (SODIUM (1A) SILICATE)

=> d 15

L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 2004:333880 CAPLUS  
DN 140:335247  
TI Extraction of **DNA** from biological samples using a highly basic  
lysis solution containing a chelating agent, a stabilizing agent,  
and a buffer  
IN Carlson, David; Lazar, James G.; Connolly, Mike  
PA Marlichen Biosciences, Inc., USA  
SO PCT Int. Appl., 20 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004033707	A2	20040422	WO 2003-US31757	20031007
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG		
US 2004126796	A1	20040701	US 2003-679378	20031007
PRAI US 2002-416228P	P	20021007		

=> s (alkali (1a) metal (2a) silicate or gluconate)

L6 40667 (ALKALI (1A) METAL (2A) SILICATE OR GLUCONATE)

=> s 16 and DNA

L7 848 L6 AND DNA

=> s 17 and FTA

L8 1 L7 AND FTA

=> d 18

L8 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 2004:333880 CAPLUS  
DN 140:335247  
TI Extraction of **DNA** from biological samples using a highly basic  
lysis solution containing a chelating agent, a stabilizing agent, and a  
buffer  
IN Carlson, David; Lazar, James G.; Connolly, Mike  
PA Marlichen Biosciences, Inc., USA  
SO PCT Int. Appl., 20 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004033707	A2	20040422	WO 2003-US31757	20031007
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW		

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,  
FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,  
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 2004126796 A1 20040701 US 2003-679378 20031007

PRAI US 2002-416228P P 20021007

=> s 17 and (extraction or purification)

L9 54 L7 AND (EXTRACTION OR PURIFICATION)

=> dup rem 19

PROCESSING COMPLETED FOR L9

L10 47 DUP REM L9 (7 DUPLICATES REMOVED)

=> d 110 1-10

L10 ANSWER 1 OF 47 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2004:333880 CAPLUS

DN 140:335247

TI Extraction of DNA from biological samples using a  
highly basic lysis solution containing a chelating agent, a stabilizing  
agent, and a buffer

IN Carlson, David; Lazar, James G.; Connolly, Mike

PA Marlichen Biosciences, Inc., USA

SO PCT Int. Appl., 20 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004033707	A2	20040422	WO 2003-US31757	20031007
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2004126796	A1	20040701	US 2003-679378	20031007
PRAI	US 2002-416228P	P	20021007		

L10 ANSWER 2 OF 47 MEDLINE on STN

AN 2004519858 MEDLINE

DN PubMed ID: 15490553

TI Vibrio neonatus sp. nov. and Vibrio ezuriae sp. nov. isolated from the gut  
of Japanese abalones.

AU Sawabe Tomoo; Hayashi Karin; Moriwaki Jun; Fukui Youhei; Thompson Fabiano  
L; Swings Jean; Christen Richard

CS Laboratory of Microbiology, Graduate School of Fisheries Sciences,  
Hokkaido University, Hakodate, Japan.. sawabe@fish.hokudai.ac.jp

SO Systematic and applied microbiology, (2004 Sep) 27 (5) 527-34.  
Journal code: 8306133. ISSN: 0723-2020.

CY Germany: Germany, Federal Republic of

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

OS GENBANK-AY426978; GENBANK-AY426979; GENBANK-AY426980; GENBANK-AY426981;  
GENBANK-AY426982; GENBANK-AY546637; GENBANK-AY546658

EM 200411

ED Entered STN: 20041020

Last Updated on STN: 20041219

Entered Medline: 20041123

L10 ANSWER 3 OF 47 MEDLINE on STN  
 AN 2004566740 MEDLINE  
 DN PubMed ID: 15539928  
 TI *Pectinatus portalensis* nov. sp., a relatively fast-growing, coccoidal, novel *Pectinatus* species isolated from a wastewater treatment plant.  
 AU Gonzalez Juan M; Jurado Valme; Laiz Leonila; Zimmermann Johannes; Hermosin Bernardo; Saiz-Jimenez Cesareo  
 CS Instituto de Recursos Naturales y Agrobiologia, CSIC, Apartado 1052, 41080 Sevilla, Spain.. jmgra@irnase.csic.es  
 SO Antonie van Leeuwenhoek, (2004 Oct) 86 (3) 241-7.  
 Journal code: 0372625. ISSN: 0003-6072.  
 CY Netherlands  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 200503  
 ED Entered STN: 20041113  
 Last Updated on STN: 20050308  
 Entered Medline: 20050307

L10 ANSWER 4 OF 47 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2003:356617 CAPLUS  
 DN 138:367668  
 TI *Gluconobacter suboxydans* gluconate 5-dehydrogenase sequence and process to produce 5-keto-D-gluconic acid  
 IN Miasnikov, Andrei Novomirovich; Salusjaervi, Tuomas; Nikolaevich, Neustroev Kirill  
 PA Danisco A/S, Den.  
 SO PCT Int. Appl., 54 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003038105	A2	20030508	WO 2002-IB4864	20021101
	WO 2003038105	A3	20040122		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
PRAI	GB 2001-26397	A	20011102		
	GB 2002-15980	A	20020710		

L10 ANSWER 5 OF 47 MEDLINE on STN  
 AN 2003435447 MEDLINE  
 DN PubMed ID: 13130067  
 TI *Hanseniaspora meyeri* sp. nov., *Hanseniaspora clermontiae* sp. nov., *Hanseniaspora lachancei* sp. nov. and *Hanseniaspora opuntiae* sp. nov., novel apiculate yeast species.  
 AU Cadez Neza; Poot Ge A; Raspor Peter; Smith Maudy Th  
 CS University of Ljubljana, Biotechnical Faculty, Department of Food Science and Technology, Jamnikarjeva 101, 1000 Ljubljana, Slovenia.  
 SO International journal of systematic and evolutionary microbiology, (2003 Sep) 53 (Pt 5) 1671-80.  
 Journal code: 100899600. ISSN: 1466-5026.  
 CY England: United Kingdom  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 OS GENBANK-AJ512427; GENBANK-AJ512428; GENBANK-AJ512429; GENBANK-AJ512430; GENBANK-AJ512431; GENBANK-AJ512432; GENBANK-AJ512433; GENBANK-AJ512434;

GENBANK-AJ512435; GENBANK-AJ512436; GENBANK-AJ512437; GENBANK-AJ512438;  
GENBANK-AJ512439; GENBANK-AJ512440; GENBANK-AJ512441; GENBANK-AJ512442;  
GENBANK-AJ512443; GENBANK-AJ512451; GENBANK-AJ512452; GENBANK-AJ512453;  
GENBANK-AJ512454; GENBANK-AJ512455; GENBANK-AJ512456; GENBANK-AJ512457;  
GENBANK-AJ512458; GENBANK-AJ512459; GENBANK-AJ512460; GENBANK-AJ512461

EM 200401

ED Entered STN: 20030918

Last Updated on STN: 20040106

Entered Medline: 20040105

L10 ANSWER 6 OF 47 MEDLINE on STN

AN 2003435407 MEDLINE

DN PubMed ID: 13130026

TI Taxonomic study of sucrose-positive *Aeromonas jandaei*-like isolates from faeces, water and eels: emendation of *A. jandaei* Carnahan et al. 1992.

AU Esteve Consuelo; Valera Lazara; Gutierrez Carmen; Ventosa Antonio

CS Departamento de Microbiologia y Ecología, Facultad de Biología,  
Universitat de Valencia, E-46100 Burjassot (Valencia), Spain..  
estevem@uv.es

SO International journal of systematic and evolutionary microbiology, (2003 Sep) 53 (Pt 5) 1411-9.

Journal code: 100899600. ISSN: 1466-5026.

CY England: United Kingdom

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 200401

ED Entered STN: 20030918

Last Updated on STN: 20040106

Entered Medline: 20040105

L10 ANSWER 7 OF 47 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2003:947135 CAPLUS

DN 141:170571

TI Different glycolytic pathways for glucose and fructose in the halophilic archaeon *Halococcus saccharolyticus*. [Erratum to document cited in CA134:350438]

AU Johnsen, Ulrike; Selig, Martina; Xavier, Karina B.; Santos, Helena;  
Schoenheit, Peter

CS Institut fuer Allgemeine Mikrobiologie, Christian-Albrechts-Universitaet  
Kiel, Kiel, 24118, Germany

SO Archives of Microbiology (2003), 180(6), 503  
CODEN: AMICCW; ISSN: 0302-8933

PB : Springer-Verlag

DT Journal

LA English

L10 ANSWER 8 OF 47 MEDLINE on STN

AN 2004055267 MEDLINE

DN PubMed ID: 14756528

TI Cloning and expression of pyrroloquinoline quinone (PQQ) genes from a phosphate-solubilizing bacterium *Enterobacter intermedium*.

AU Kim Chul Hong; Han Song Hee; Kim Kil Yong; Cho Baik Ho; Kim Yong Hwan; Koo Bon Sung; Kim Young Cheol

CS Division of Applied Plant Science, Agricultural Plant Stress Research Center, College of Agriculture and Life Sciences, Chonnam National University, Gwangju 500-757, Republic of Korea.

SO Current microbiology, (2003 Dec) 47 (6) 457-61.  
Journal code: 7808448. ISSN: 0343-8651.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

OS GENBANK-AY216683

EM 200403

ED Entered STN: 20040204

Last Updated on STN: 20040311

Entered Medline: 20040310

L10 ANSWER 9 OF 47 MEDLINE on STN  
AN 2003140765 MEDLINE  
DN PubMed ID: 12656159  
TI Xylanimonas cellulosilytica gen. nov., sp. nov., a xylanolytic bacterium isolated from a decayed tree (*Ulmus nigra*).  
AU Rivas Raul; Sanchez Manuel; Trujillo Martha E; Zurdo-Pineiro Jose Luis; Mateos Pedro F; Martinez-Molina Eustoquio; Velazquez Encarna  
CS Departamento de Microbiologia y Genetica, Edificio Departamental, Campus Miguel de Unamuno, Lab. 209, Universidad de Salamanca, 37007 Salamanca, Spain.  
SO International journal of systematic and evolutionary microbiology, (2003 Jan) 53 (Pt 1) 99-103.  
Journal code: 100899600. ISSN: 1466-5026.  
CY England: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
OS GENBANK-AF403541  
EM 200306  
ED Entered STN: 20030327  
Last Updated on STN: 20030626  
Entered Medline: 20030625

L10 ANSWER 10 OF 47 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED.  
on STN  
AN 2003280799 EMBASE  
TI Sequence analysis of a gene product synthesized by *Xanthomonas* sp. during growth on natural rubber latex.  
AU Jendrossek D.; Reinhardt S.  
CS D. Jendrossek, Institut fur Mikrobiologie, Universitat Stuttgart, Allmandring 31, 70550 Stuttgart, Germany. dieter.jendrossek@po.uni-stuttgart.de  
SO FEMS Microbiology Letters, (15 Jul 2003) Vol. 224, No. 1, pp. 61-65.  
Refs: 12  
ISSN: 0378-1097 CODEN: FMLED7  
CY Netherlands  
DT Journal; Article  
FS 004 Microbiology  
LA English  
SL English  
ED Entered STN: 20030731  
Last Updated on STN: 20030731

=> s highly (w) basic (w) lysis (w) soultion  
L11 0 HIGHLY (W) BASIC (W) LYSIS (W) SOULTION

=> s lysis (w) soultion  
L12 0 LYSIS (W) SOULTION

=> s cell (1a) lysis  
L13 30534 CELL (1A) LYSIS

=> l13 and permeable  
L13 IS NOT A RECOGNIZED COMMAND  
The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter "HELP COMMANDS" at an arrow prompt (>).

=> s l13 and permeabl?  
L14 169 L13 AND PERMEABL?

=> s l14 and gluconate  
L15 1 L14 AND GLUCONATE

=> d 115

L15 ANSWER 1 OF 1 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN  
AN 2003:401506 BIOSIS  
DN PREV200300401506  
TI Anion-dependence of necrotic cell death in bovine aortic endothelial  
cells.  
AU Estacion, Mark [Reprint Author]; Schilling, William P.  
CS MetroHealth Medical Center, 2500 MetroHealth Drive, Cleveland, OH, 44109,  
USA  
mestacion@metrohealth.org; wschilling@metrohealth.org  
SO FASEB Journal, (March 2003) Vol. 17, No. 4-5, pp. Abstract No. 807.19.  
<http://www.fasebj.org/>. e-file.  
Meeting Info.: FASEB Meeting on Experimental Biology: Translating the  
Genome. San Diego, CA, USA. April 11-15, 2003. FASEB.  
ISSN: 0892-6638 (ISSN print).  
DT Conference; (Meeting)  
Conference; Abstract; (Meeting Abstract)  
LA English  
ED Entered STN: 3 Sep 2003  
Last Updated on STN: 3 Sep 2003

=> s l14 and silicate  
L16 0 L14 AND SILICATE

=> d his

(FILE 'HOME' ENTERED AT 17:38:04 ON 12 APR 2005)

FILE 'BIOSIS, EMBASE, MEDLINE, LIFESCI, CAPLUS' ENTERED AT 17:39:58 ON 12  
APR 2005

L1 299 S (DNA) AND (EXTRACT? OR PURIFICATION) AND (HAIR OR BLOOD) AND  
L2 1 S L1 AND SODIUM (2A) GLUCONATE  
L3 0 S DNA AND (ALKALINE) AND (LYSIS) AND (GLUCONATE AND SILICATE)  
L4 0 S DNA AND (ALKALINE) AND (LYSIS) AND (SODIUM (1A) SILICATE)  
L5 1 S (DNA) AND (LYSIS) AND (SODIUM (1A) SILICATE)  
L6 40667 S (ALKALI (1A) METAL (2A) SILICATE OR GLUCONATE)  
L7 848 S L6 AND DNA  
L8 1 S L7 AND FTA  
L9 54 S L7 AND (EXTRACTION OR PURIFICATION)  
L10 47 DUP REM L9 (7 DUPLICATES REMOVED)  
L11 0 S HIGHLY (W) BASIC (W) LYSIS (W) SOULTION  
L12 0 S LYSIS (W) SOULTION  
L13 30534 S CELL (1A) LYSIS  
L14 169 S L13 AND PERMEABL?  
L15 1 S L14 AND GLUCONATE  
L16 0 S L14 AND SILICATE

Last Updated on STN: 3 Sep 2003

=> s 114 and silicate  
L16 0 L14 AND SILICATE

=> d his

(FILE 'HOME' ENTERED AT 17:38:04 ON 12 APR 2005)

FILE 'BIOSIS, EMBASE, MEDLINE, LIFESCI, CAPLUS' ENTERED AT 17:39:58 ON 12 APR 2005

L1 299 S (DNA) AND (EXTRACT? OR PURIFICATION) AND (HAIR OR BLOOD) AND  
L2 1 S L1 AND SODIUM (2A) GLUCONATE  
L3 0 S DNA AND (ALKALINE) AND (LYSIS) AND (GLUCONATE AND SILICATE)  
L4 0 S DNA AND (ALKALINE) AND (LYSIS) AND (SODIUM (1A) SILICATE)  
L5 1 S (DNA) AND (LYSIS) AND (SODIUM (1A) SILICATE)  
L6 40667 S (ALKALI (1A) METAL (2A) SILICATE OR GLUCONATE)  
L7 848 S L6 AND DNA  
L8 1 S L7 AND FTA  
L9 54 S L7 AND (EXTRACTION OR PURIFICATION)  
L10 47 DUP REM L9 (7 DUPLICATES REMOVED)  
L11 0 S HIGHLY (W) BASIC (W) LYSIS (W) SOULTION  
L12 0 S LYSIS (W) SOULTION  
L13 30534 S CELL (1A) LYSIS  
L14 169 S L13 AND PERMEABL?  
L15 1 S L14 AND GLUCONATE  
L16 0 S L14 AND SILICATE

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
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E2 1 CARLSON CRAIG A/AU  
E3 60 --> CARLSON D/AU  
E4 67 CARLSON D A/AU  
E5 1 CARLSON D A JR/AU  
E6 18 CARLSON D B/AU  
E7 8 CARLSON D C/AU  
E8 1 CARLSON D D/AU  
E9 90 CARLSON D E/AU  
E10 1 CARLSON D E JR/AU  
E11 21 CARLSON D G/AU  
E12 37 CARLSON D H/AU  
E13 27 CARLSON D J/AU  
E14 29 CARLSON D L/AU

E15 91 CARLSON D M/AU  
E16 9 CARLSON D P/AU  
E17 10 CARLSON D R/AU  
E18 74 CARLSON D S/AU  
E19 14 CARLSON D W/AU  
E20 1 CARLSON DAKES K/AU  
E21 1 CARLSON DAKES KIRSTIN/AU  
E22 2 CARLSON DAKES KIRSTIN T/AU  
E23 1 CARLSON DALE/AU  
E24 3 CARLSON DALE J/AU  
E25 1 CARLSON DANIEL F/AU

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60 "CARLSON D"/AU  
5705881 1990<=PY<=2002  
L17 36 ("CARLSON D"/AU) AND 1990<=PY<=2002

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 B. C. Schmidt, T. Riemer, S. C. Kohn, F. Holtz and R. Dupree  
[Abstract](#)
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- 
9.  **Bibliography** • MISCELLANEOUS  
*Journal of Molecular Structure*, Volumes 514-515, 21 December 1999, Pages 1-485  
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- 
10.  **Substance Index** • MISCELLANEOUS  
*Journal of Molecular Structure*, Volumes 514-515, 21 December 1999, Pages 581-615  
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- 
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*Sensors and Actuators B: Chemical*, Volume 45, Issue 3, 15 December 1997, Pages 199-207  
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*Journal of Non-Crystalline Solids*, Volume 222, 2 December 1997, Pages 13-24  
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- 
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- 
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- 
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---

17.  **94-95 Bibliography • MISCELLANEOUS**

*Journal of Molecular Structure, Volume 373, Issues 1-3, 22 December 1995, Pages 1-366*

[Abstract](#)

---

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*Geochimica et Cosmochimica Acta, Volume 59, Issue 9, May 1995, Pages 1669-1697*

Roland Hellmann

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---

19.  **Bibliography • MISCELLANEOUS**

*Journal of Molecular Structure, Volume 329, 22 December 1994, Pages 1-379*

[Abstract](#)

---

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*Journal of Molecular Structure, Volume 329, 22 December 1994, Pages 459-488*

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---

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*Journal of Non-Crystalline Solids, Volumes 172-174, Part 2, 1 September 1994,*

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---

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*Gene, Volume 132, Issue 2, 15 October 1993, Pages 213-218*

Mark Hildebrand, David R. Higgins, Katherine Busser and Benjamin E. Volcani

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---

23.  **Bibliography • MISCELLANEOUS**

*Journal of Molecular Structure, Volume 290, 1 January 1993, Pages 1-369*

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---

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*Journal of Molecular Structure, Volume 290, 1 January 1993, Pages 442-472*

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---

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*Analytica Chimica Acta, Volume 249, Issue 1, 1991, Pages 247-255*  
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*Journal of Non-Crystalline Solids, Volume 110, Issue 1, July 1989, Pages 1-12*  
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